

26T00T"EE24680

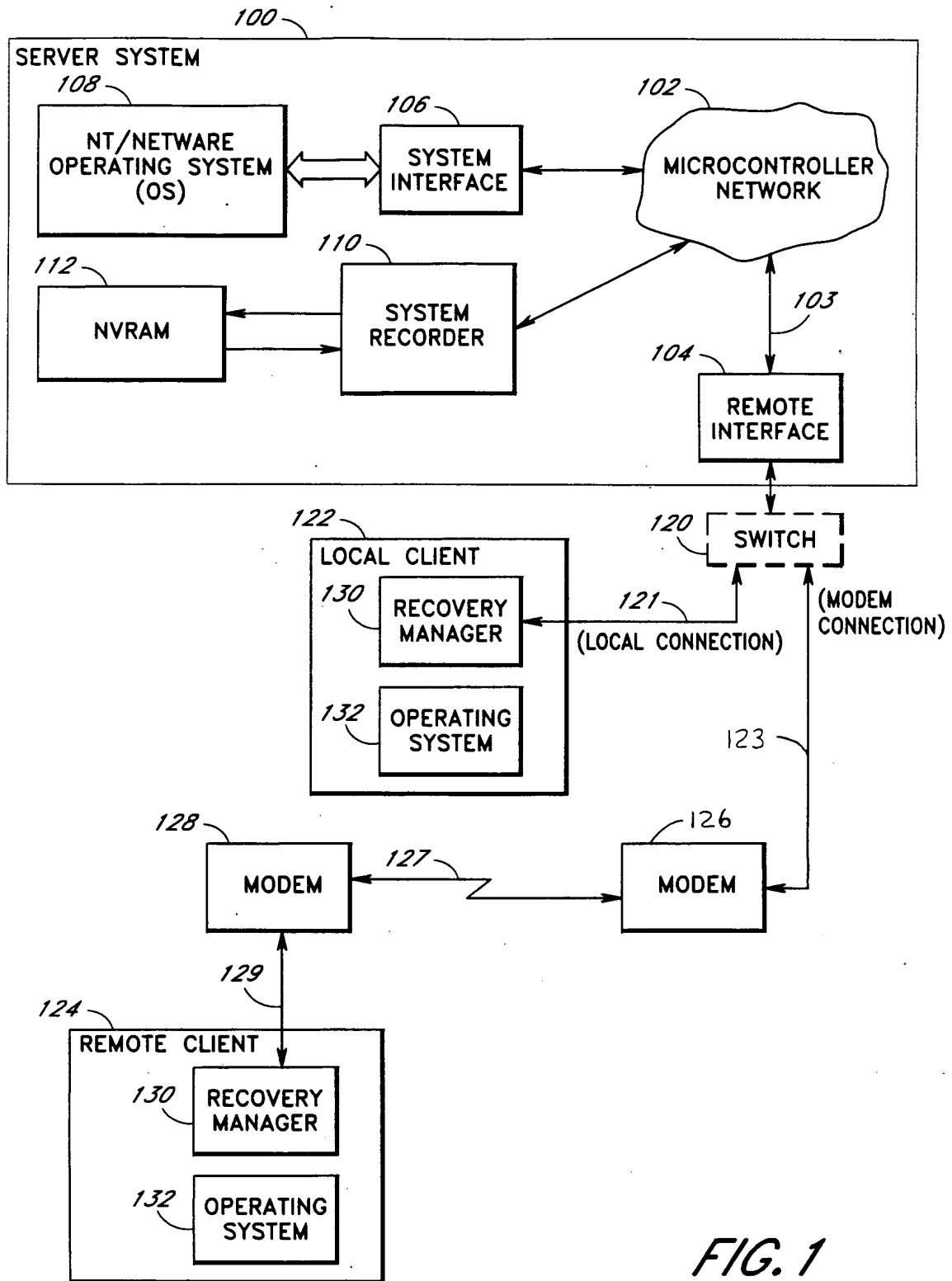
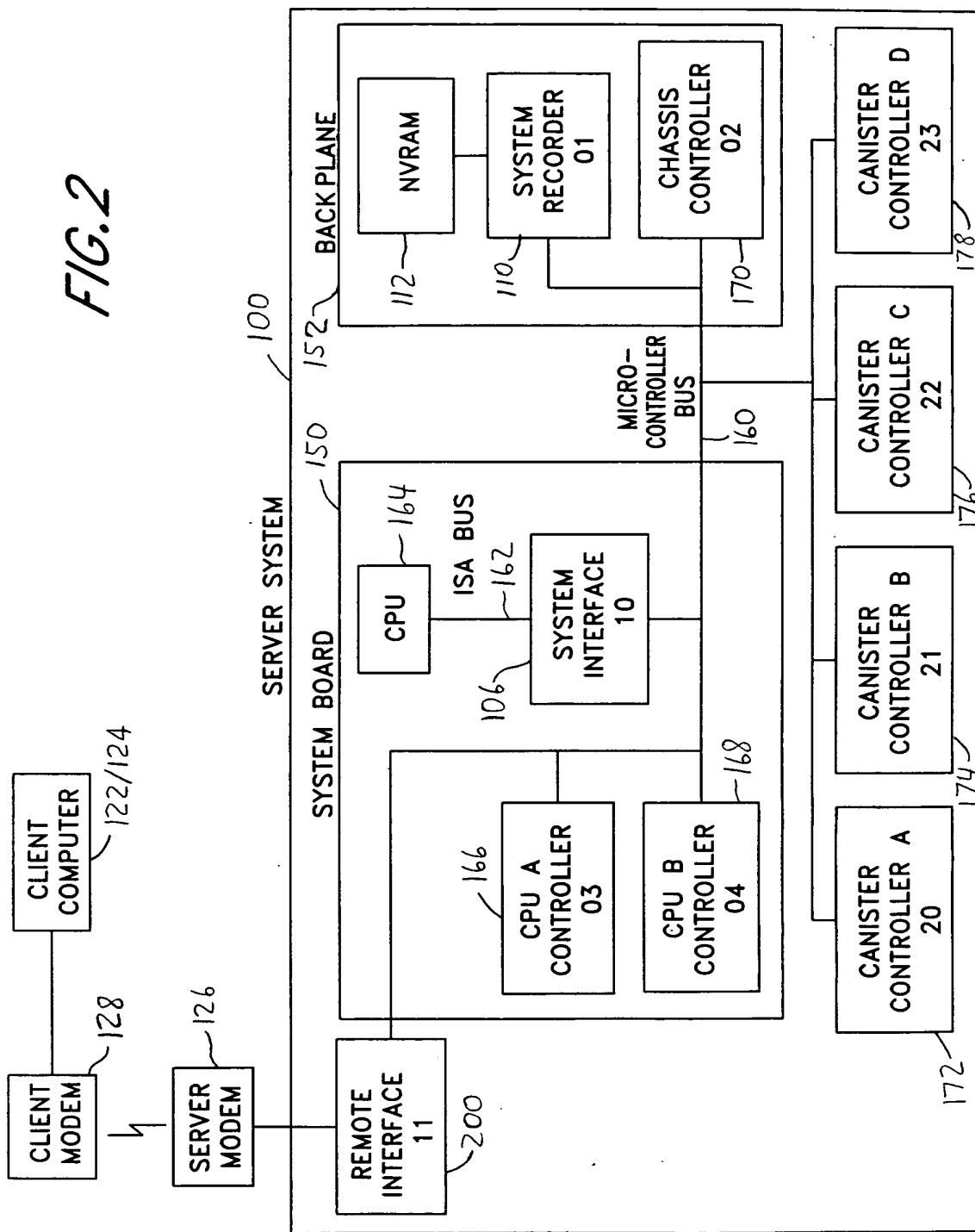


FIG. 1

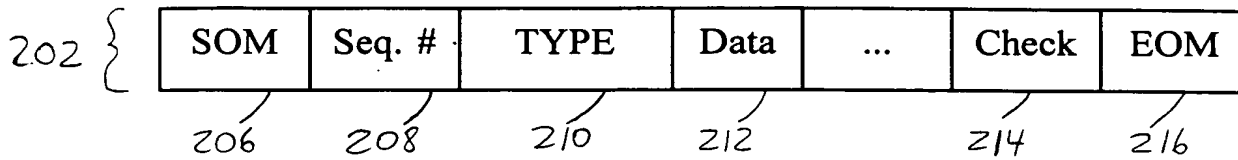
FIG. 2



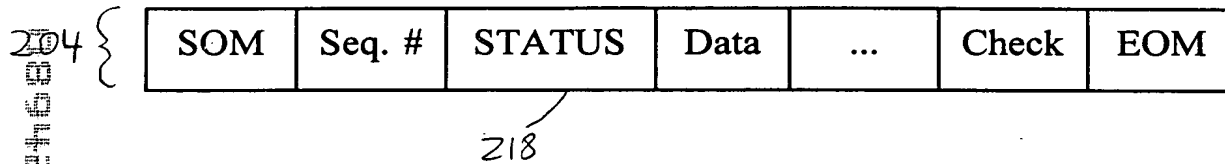
Remote Interface, Serial Protocol Message Formats

201
↓

Request:



Response:



Event Interrupt

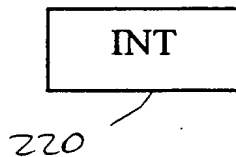


FIG. 3

POWER-ON PROCESS

270
↙

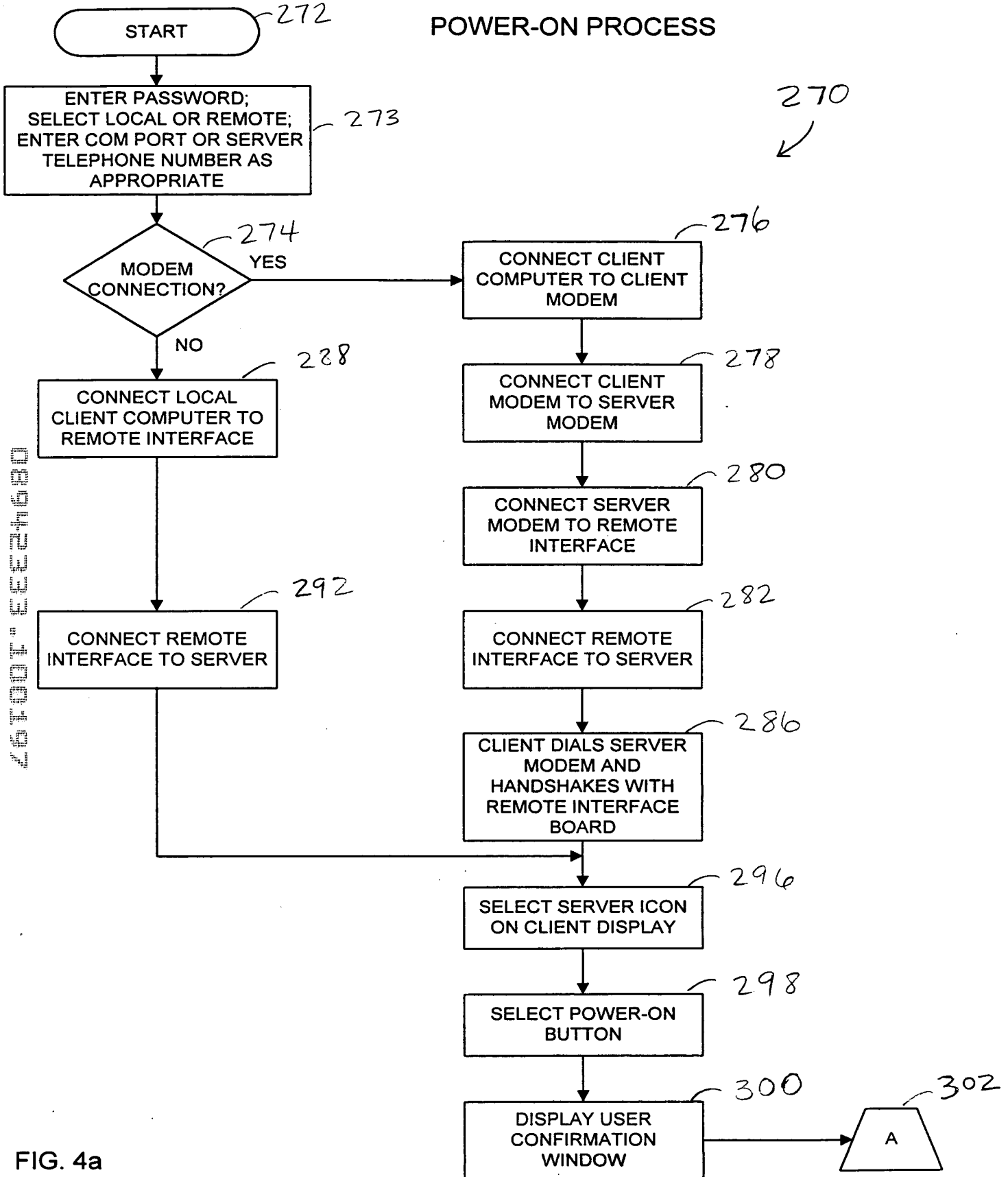


FIG. 4a

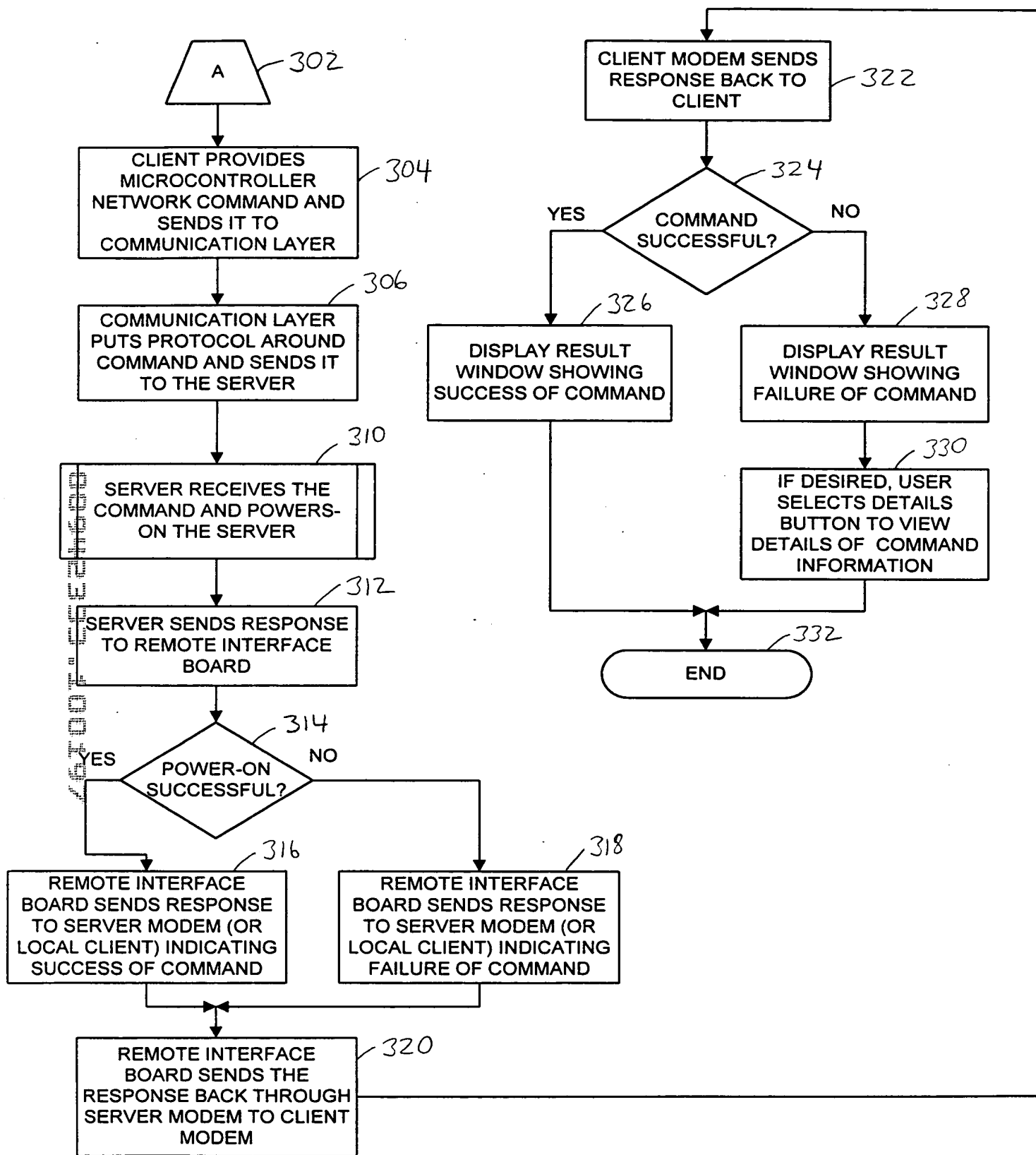


FIG. 4b

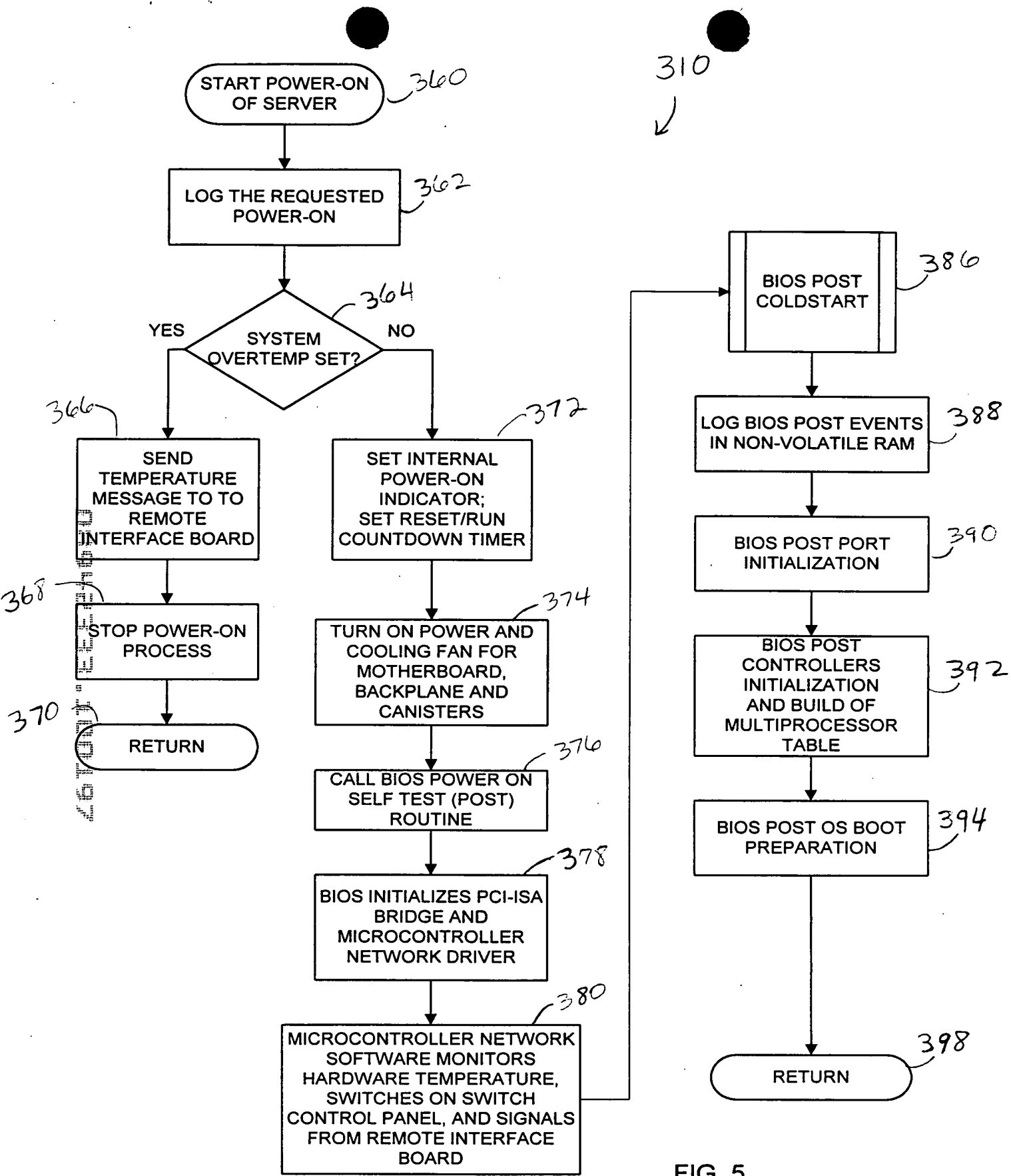
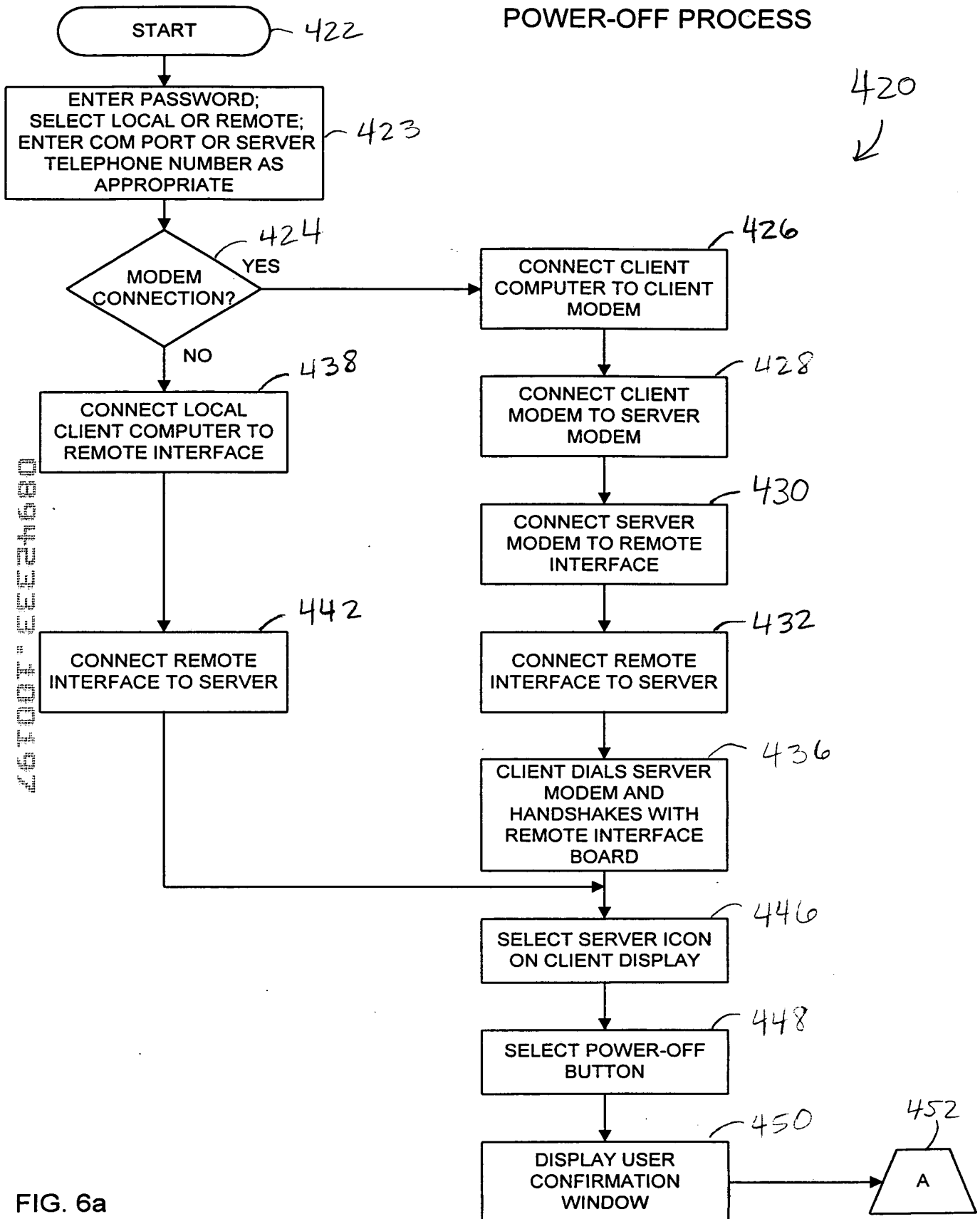


FIG. 5

POWER-OFF PROCESS



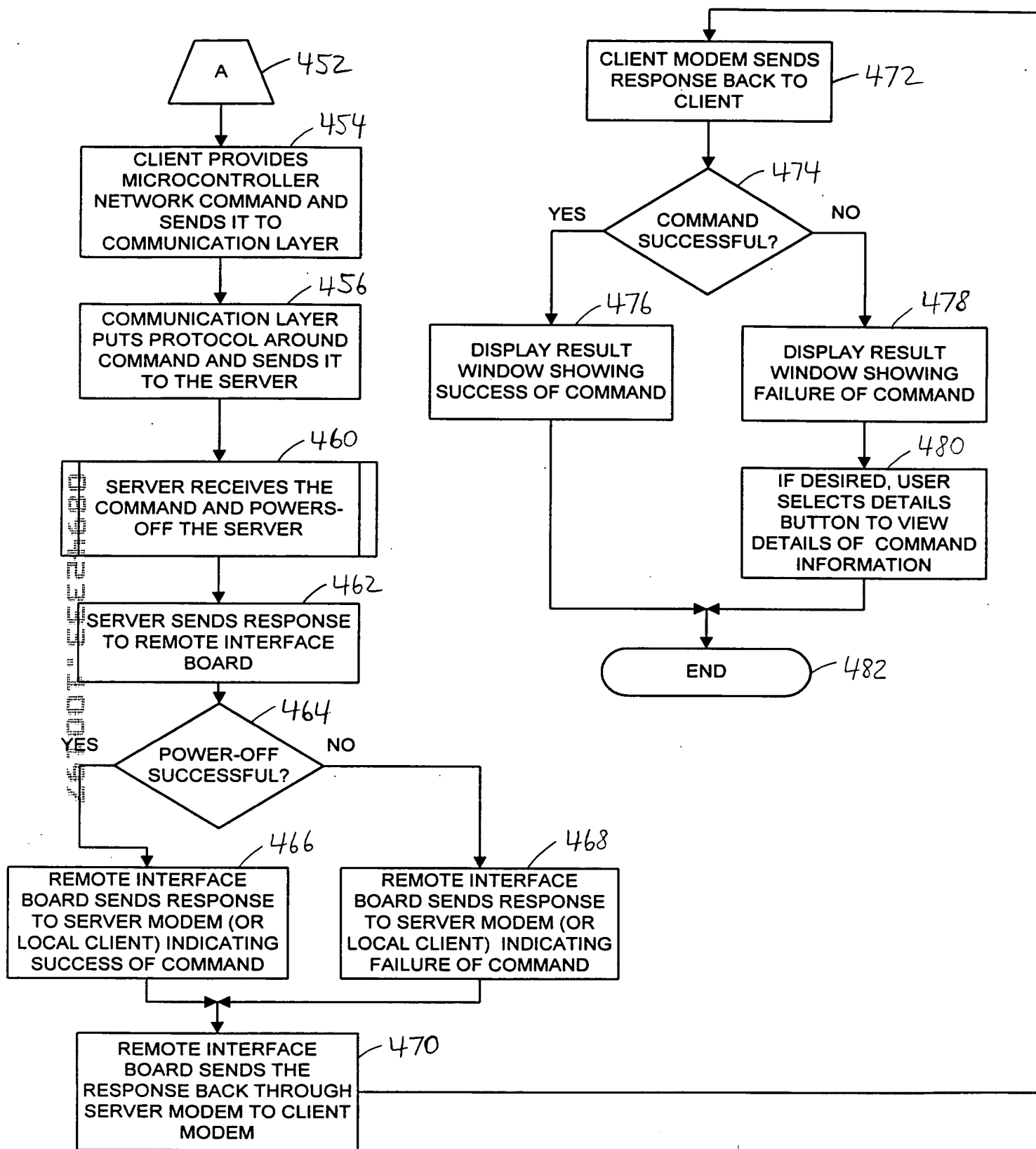
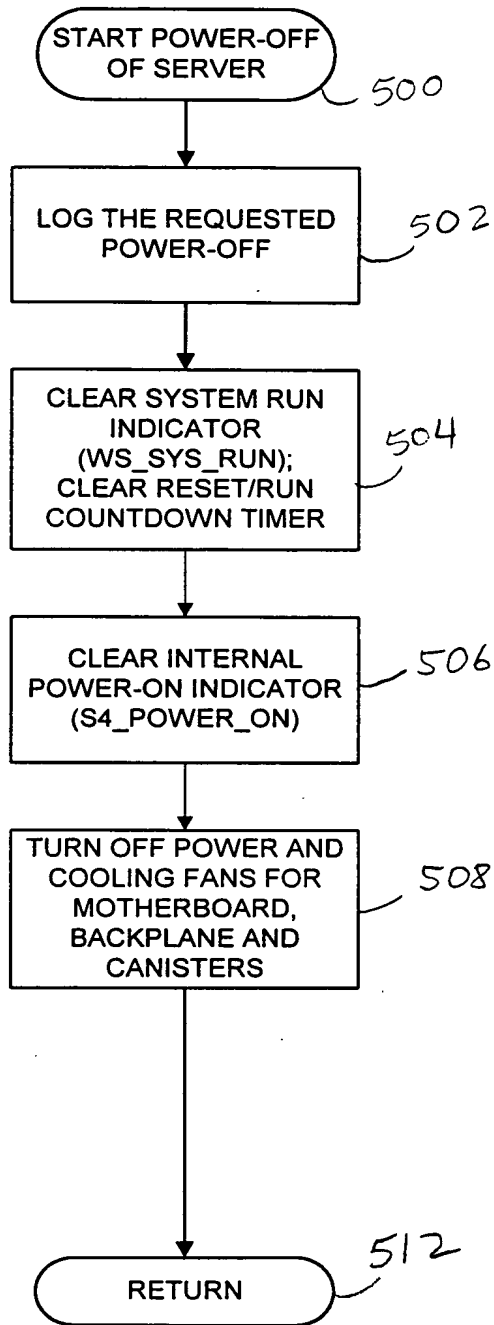


FIG. 6b

0894233-100197



460
↓

FIG. 7

RESET PROCESS

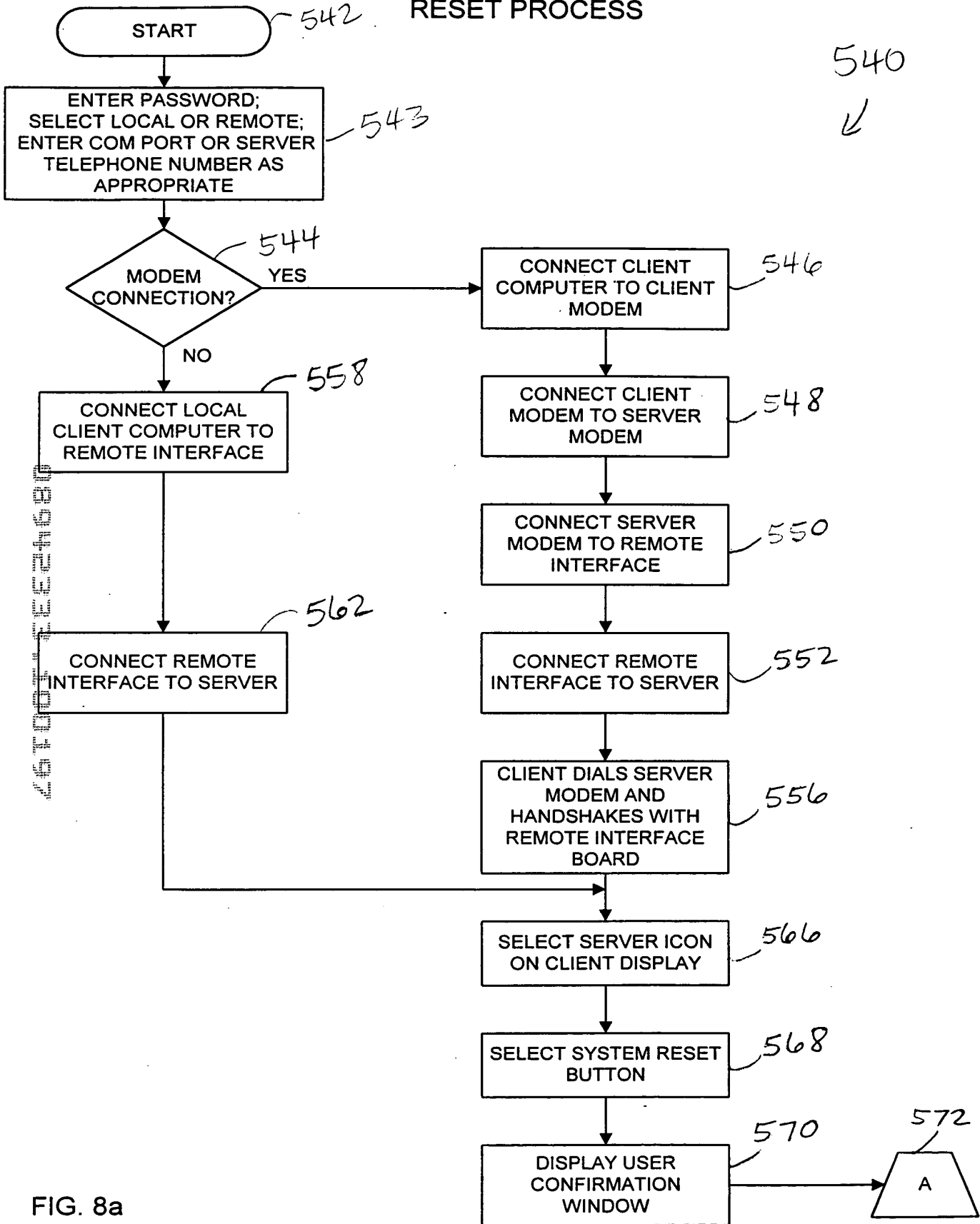


FIG. 8a

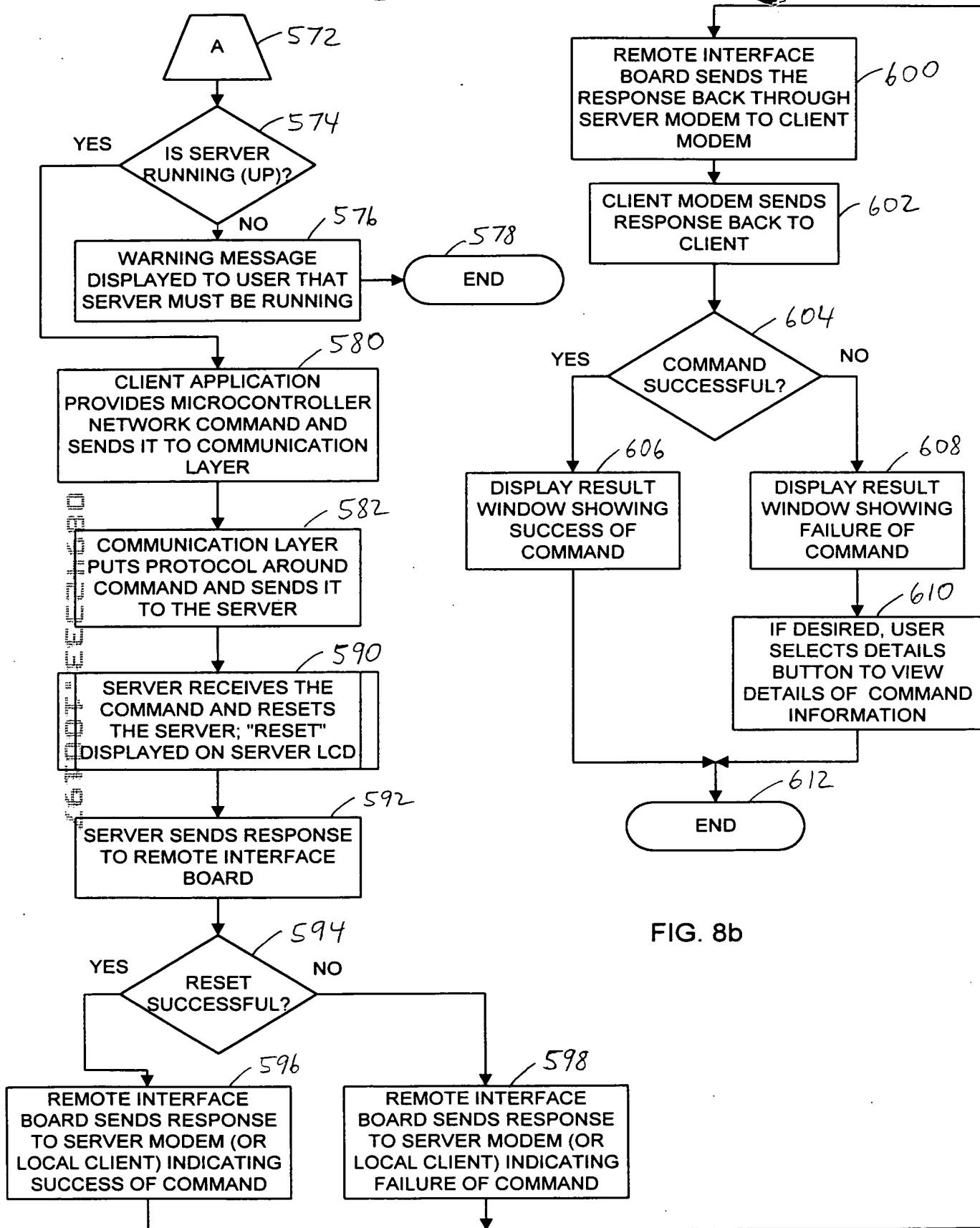
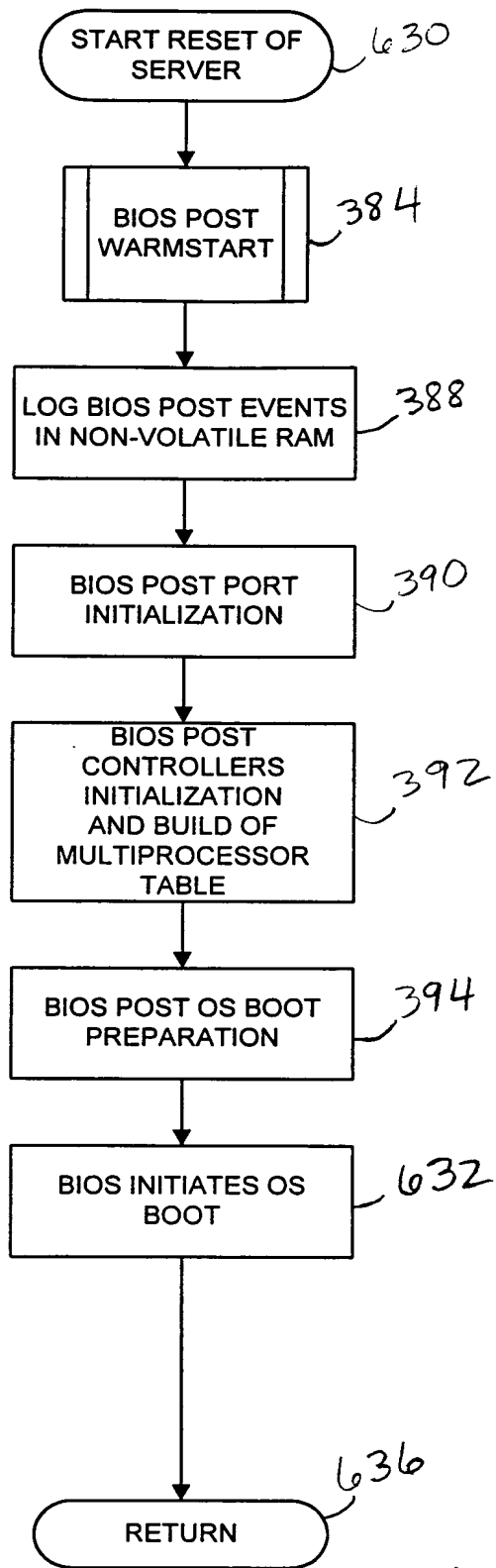


FIG. 8b

08942333 100497



590



FIG. 9

DISPLAYING FLIGHT RECORDER PROCESS

670

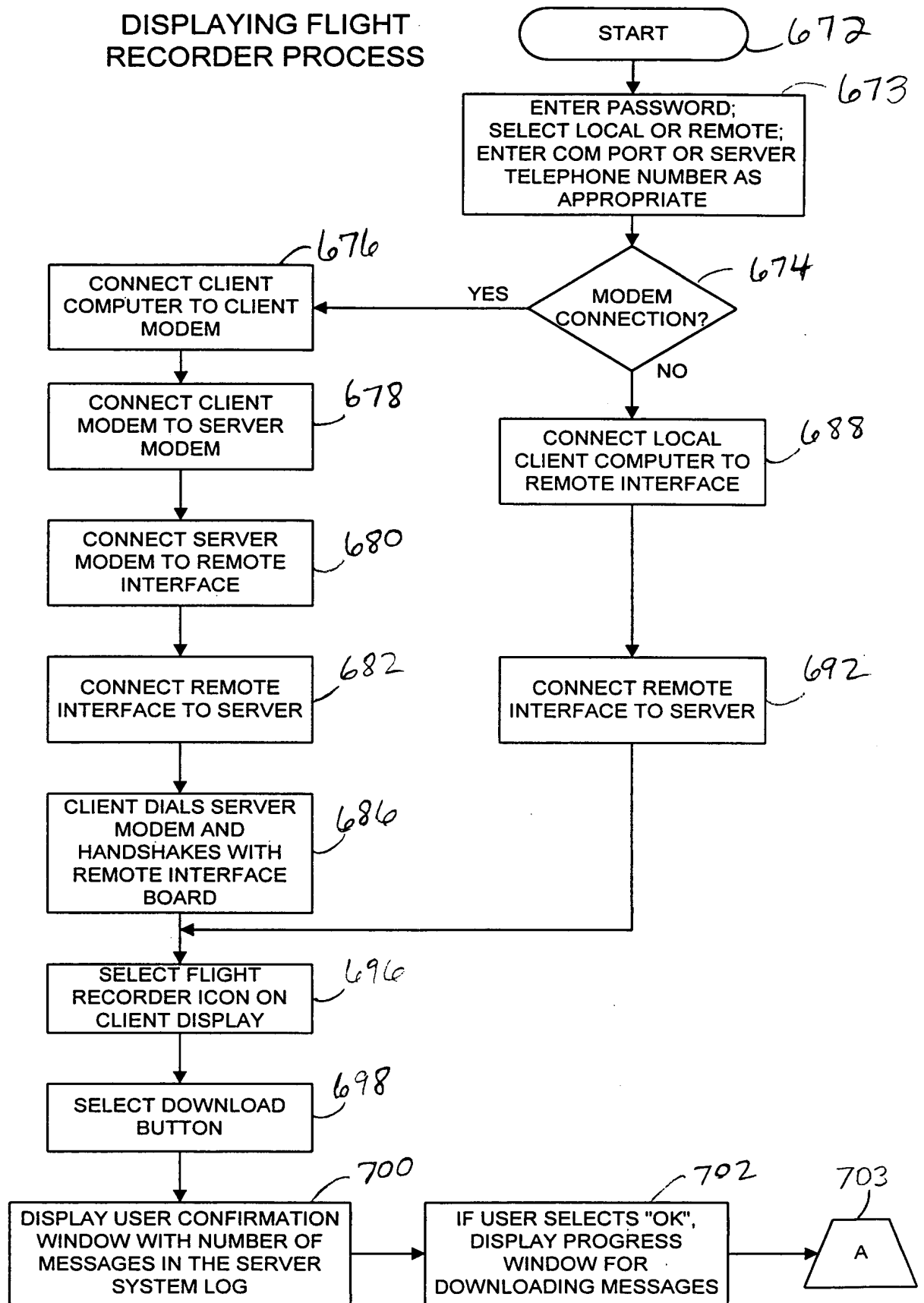


FIG. 10a

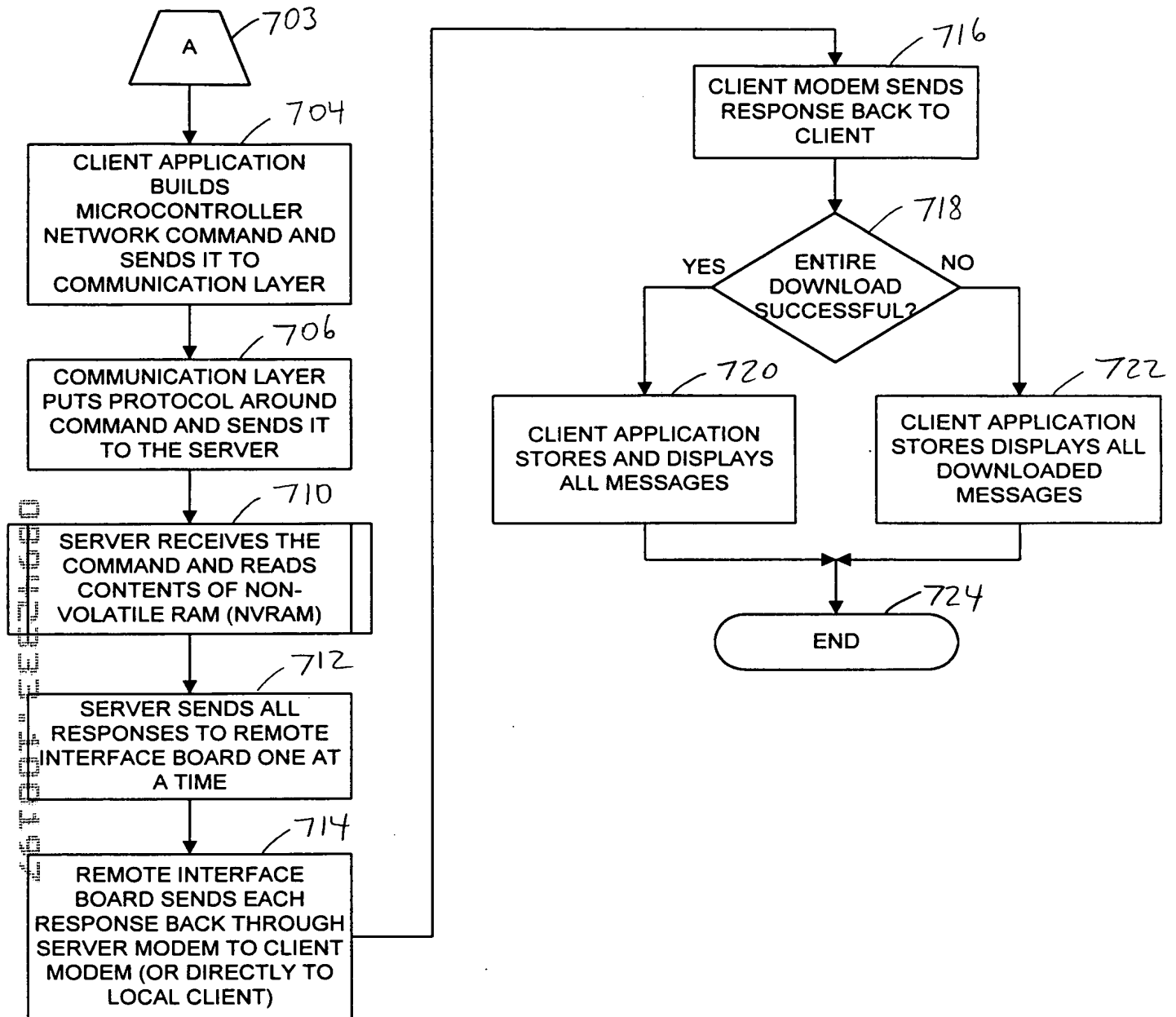


FIG. 10b

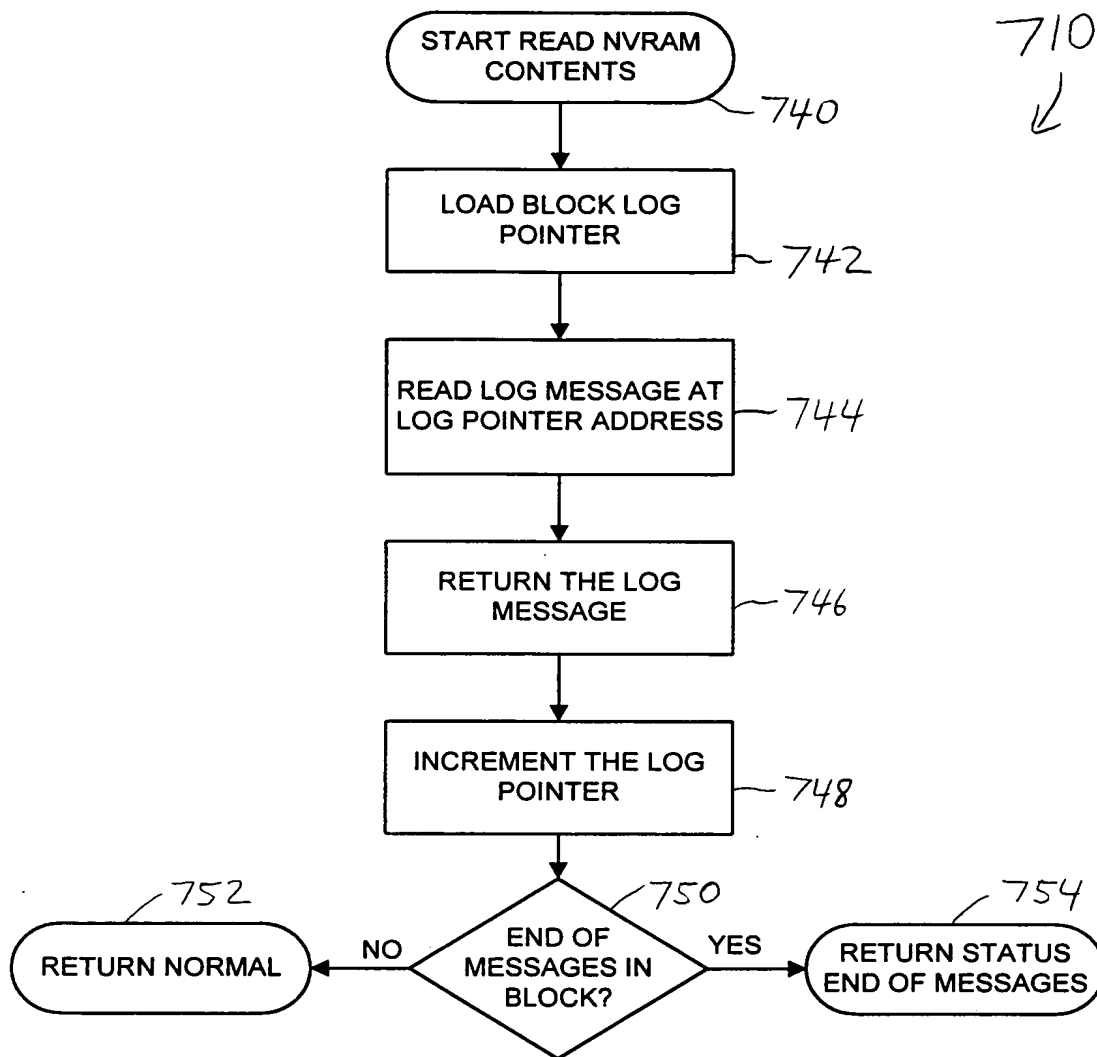


FIG. 11

Microcontroller Network Bus 160

A

Backplane

152

Power from Bias +5v

170

Chassis
Controller
PIC16c74

Analog

Chassis Type Detection
Canister SN Detection
Motherboard SN Detection
Backplane SN Detection
PS Control/Monitoring
PS On Switch
PS On Signal
PS SN Detection
PS DC OKs
PS AC OKs
Power Voltage Level Detection
+3v +5v +12v -12v VRef
Power from Bias +5v
Exhaust Temp (4/2 wire Detectors)

Temperature Detector (2) On Backplane

Temperature Detector (2) On Motherboard

Ambient Temp (1/2 wire detector)

Temperature Detector (2) On Motherboard

Power from Bias +5v

System
Recorder
PIC16c65

110

Non Volatile RAM

Address
Data
R/W/E

Power from Bias +5v

112

Timer Chip

Reset
Data
Clock

Power from Bias +5v

760

Canister Card

758

Canister
Controller

PIC16c65

172

Canister Address Detection
I/O Processor NMI

PCI Card Power Control

JTAG Control

FRU/Fan Fault LEDs (2)

Fan
Mux

767

Fan Speed Detection 766

Fan Speed Control
PCI Ext Bd Detection
I/O Processor SN Detection

FIG. 12A

08942333-100197

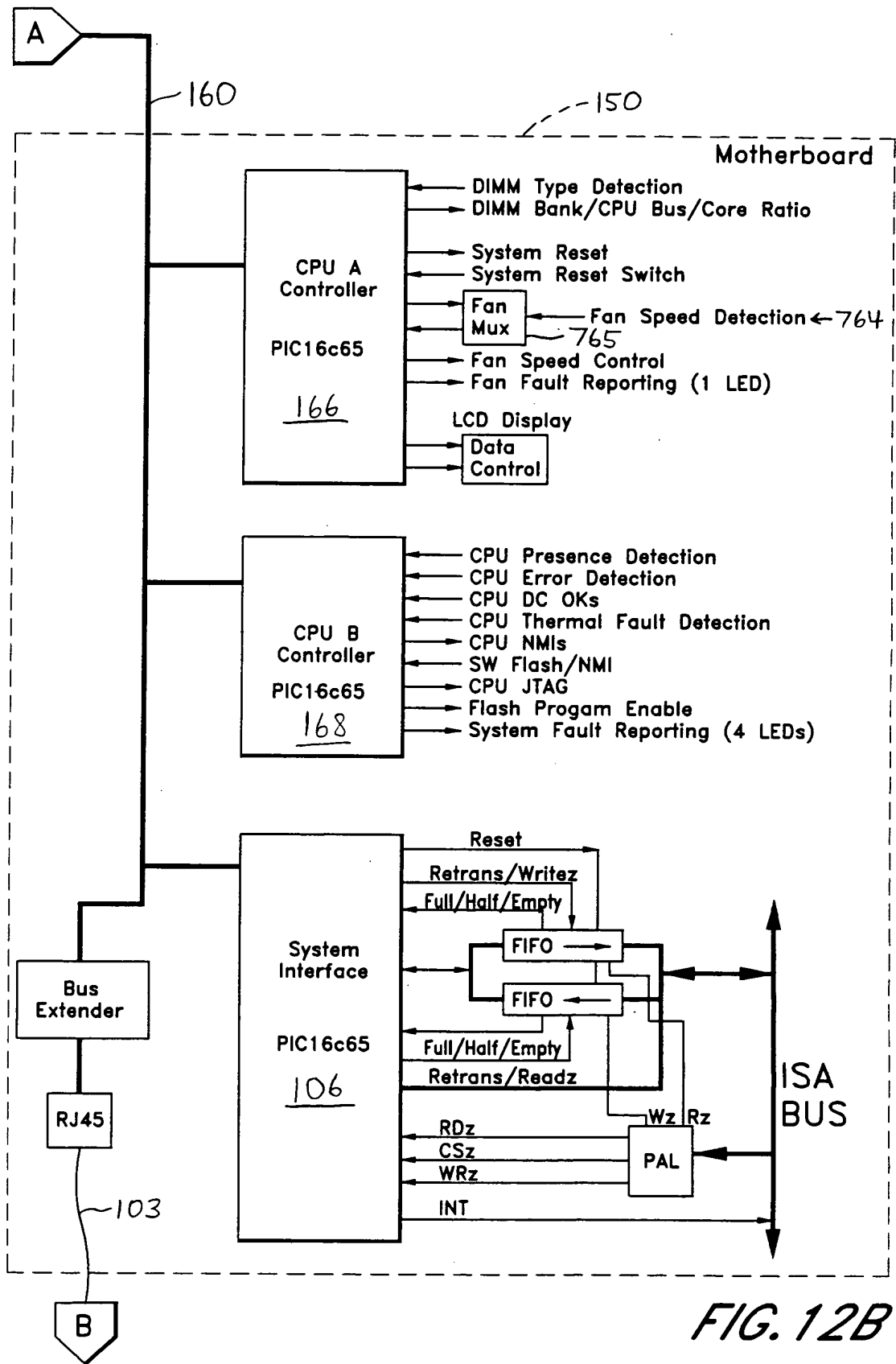


FIG. 12B

08942333-100197

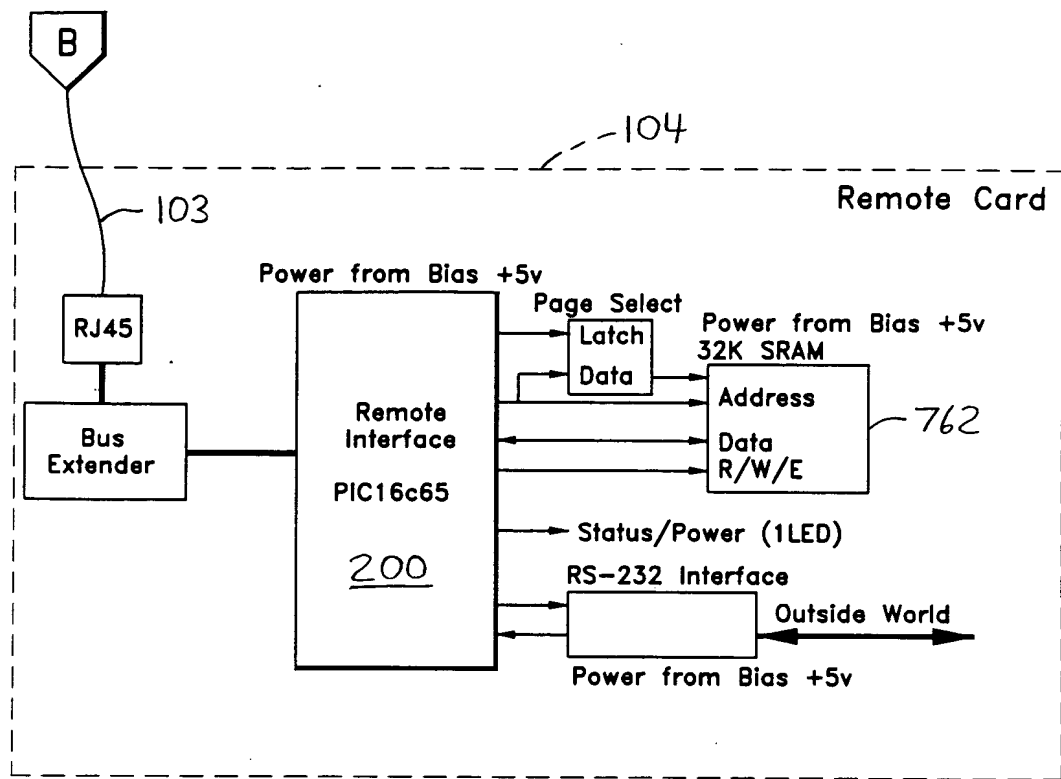


FIG. 12C

SYSTEM STATUS

770



776

778

780

782

786

796

798

799

801

START

772

ENTER PASSWORD;
SELECT LOCAL OR REMOTE;
ENTER COM PORT OR SERVER
TELEPHONE NUMBER AS
APPROPRIATE

773

MODEM
CONNECTION?

774

YES

NO

CONNECT LOCAL
CLIENT COMPUTER TO
REMOTE INTERFACE

788

CONNECT CLIENT
COMPUTER TO CLIENT
MODEM

CONNECT CLIENT MODEM
TO SERVER MODEM

CONNECT SERVER MODEM
TO REMOTE INTERFACE

CONNECT REMOTE
INTERFACE TO SERVER

CLIENT DIALS SERVER
MODEM AND HANDSHAKES
WITH REMOTE INTERFACE
BOARD

CONNECT REMOTE
INTERFACE TO SERVER

792

SELECT SYSTEM STATUS ICON
ON CLIENT DISPLAY TO OPEN
SYSTEM STATUS WINDOW

SELECT A SERVER HARDWARE
COMPONENT ICON TO OPEN
CORRESPONDING WINDOW

REFRESH
?

YES

NO

RETRIEVE NEW
INFORMATION FROM
SERVER TO BE
DISPLAYED

800

RECEIVE CHANGES
ON VISUAL SCREEN
FOR UPDATING ITEMS
TO BE CHANGED

802

NO

803

A

FIG. 13a

08942333-100197

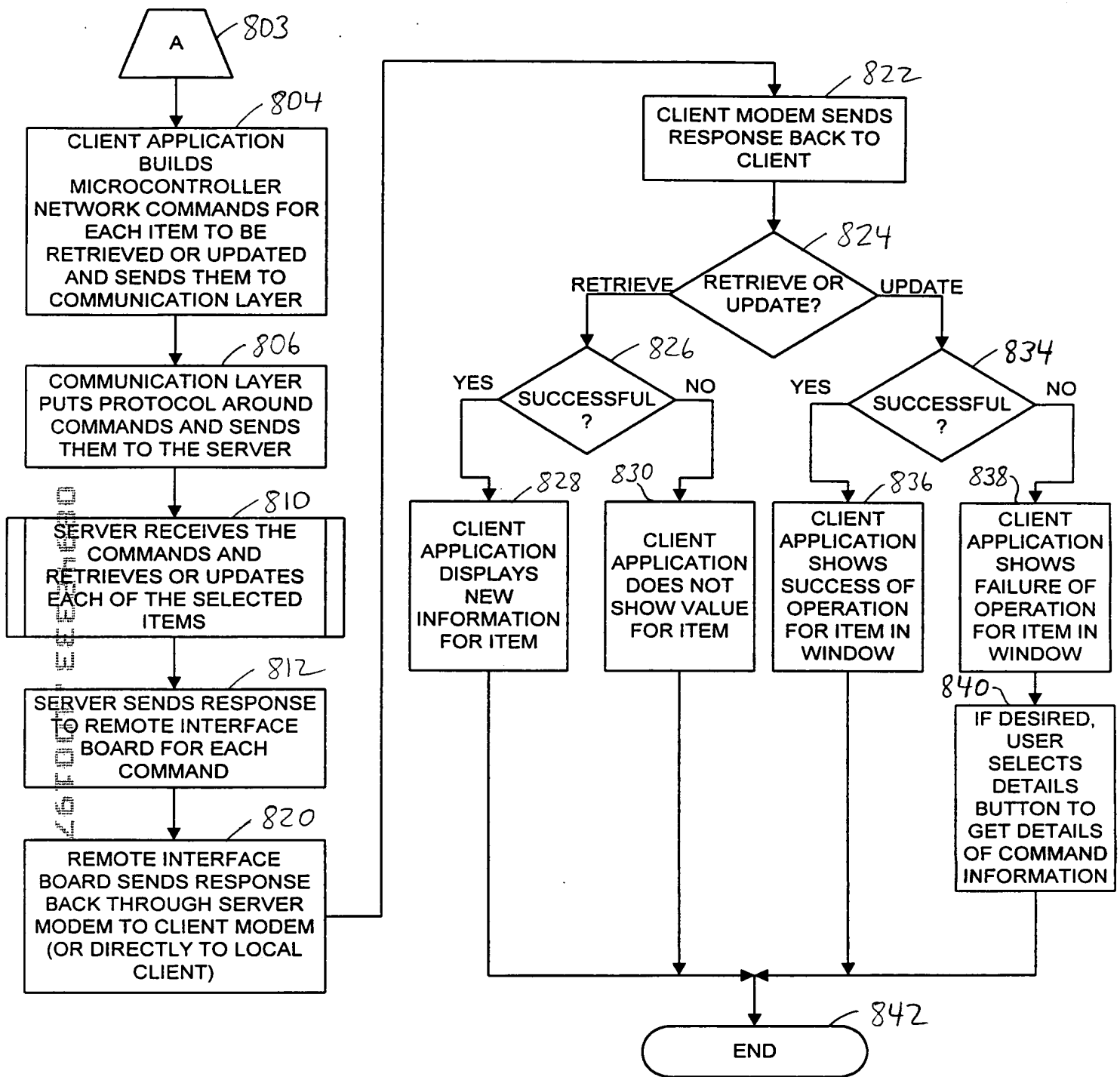


FIG. 13b

08942333-106467

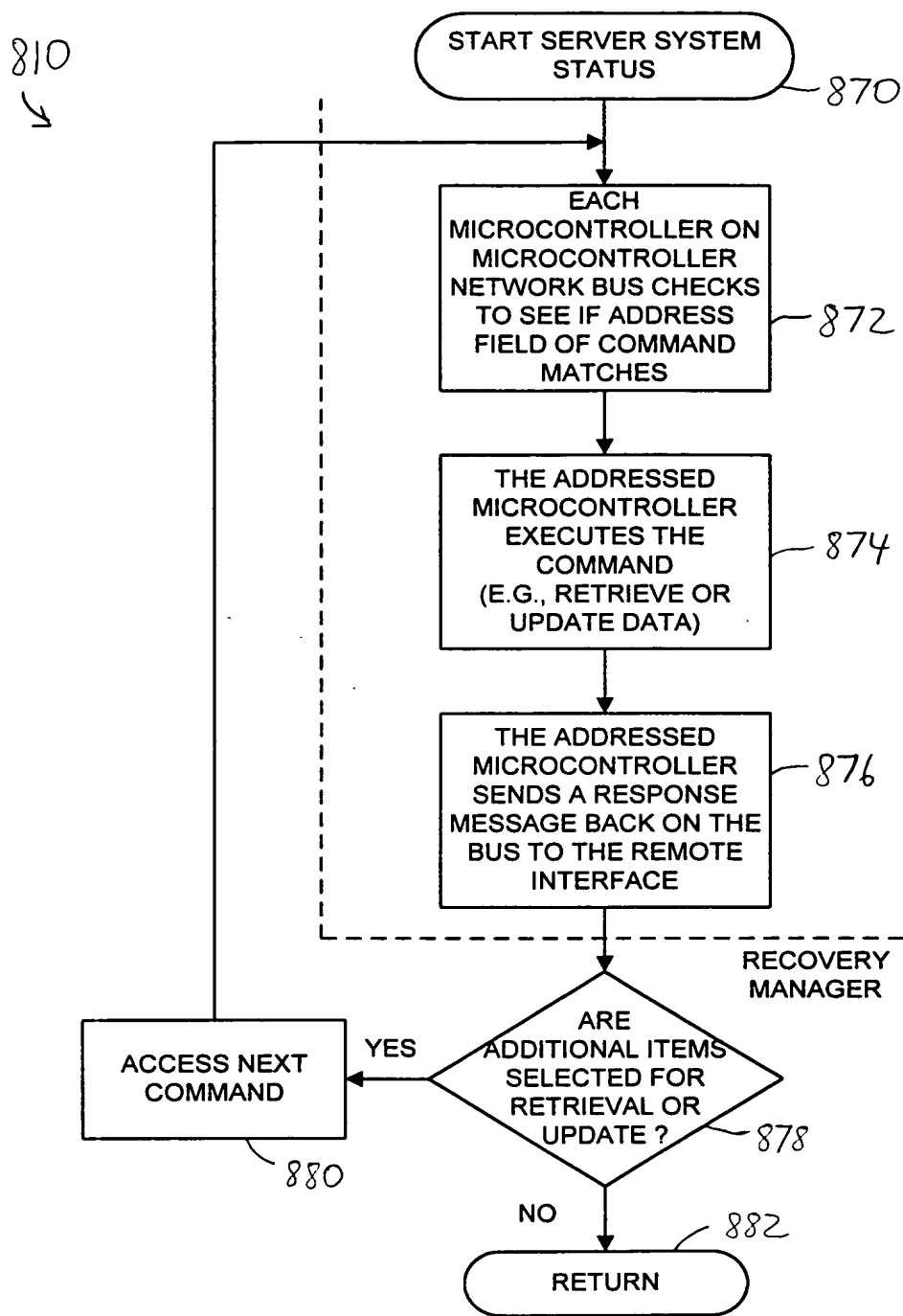


FIG. 14

26T00T" CCCC24680

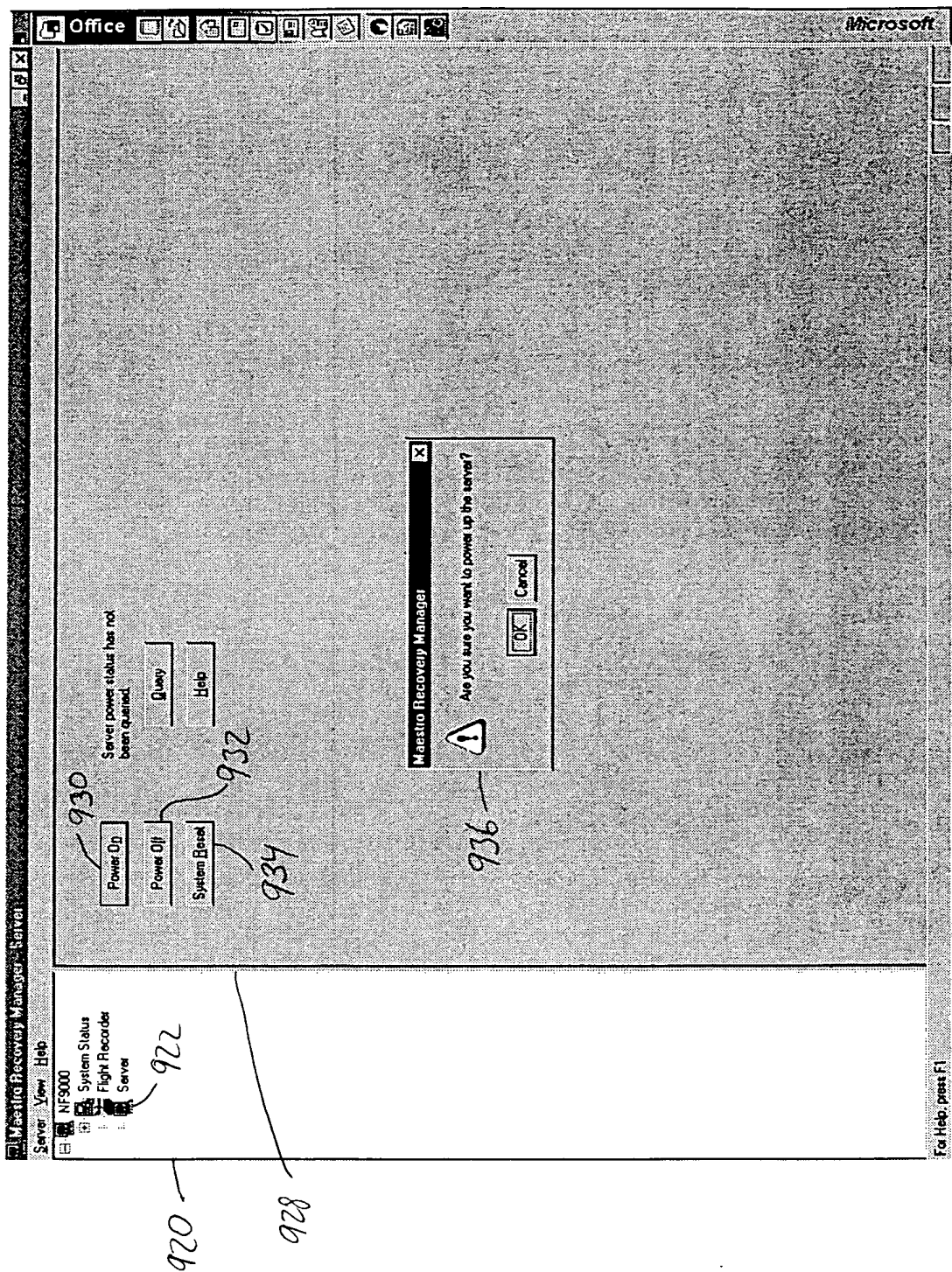


FIG. 15

26T00T" EEE4648 950 952

Maestro Recovery Manager - Flight Recorder

Server View Help

NFS000

System Status

Flight Recorder

Server

940

942

944

Time Stamp	Severity	Message Source	Message
1997 Aug 29 04:10:45	Error	Write Service Internal	0x9002
1997 Aug 29 04:10:44	Informational	Write Service Internal	0x6010
1997 Aug 29 04:10:28	Warning	Write Service Internal	0x6011
1997 Aug 29 04:07:05	Informational	BIOS	Verify Real Mode
1997 Aug 29 04:04:17	Informational	BIOS	Erase F2 key prompt

954

956

958

Download...

Save...

Print

Help

For Help, press F1

FIG. 16

26T00T" EEE2H680

Maestro Recovery Manager - System Status

Server View Help

- NFS000
- System Status
- Power Supplies
- Temperatures
- Fans
- Processors
- I/O Controllers
- Serial Numbers
- Revisions
- Flight Recorder
- Server

970

960

962

- Power Supplies 972
- Temperatures 974
- Fans 976
- Processor 978
- I/O Controllers 980
- Serial Numbers 982
- Revisions 984

Figure 17

Maestro Recovery Manager - Fans

Server View Help

- NF9000
- System Status
- Power Supplies
- Temperatures
- System Board
- Canister A
- Canister B
- Canister C
- Canister D
- Processors
- I/O Canisters
- Serial Numbers
- Revisions
- Flight Recorder
- Server

Location	Fan	Speed	Speed Control	Fault Indicator LED	Fault	Low-speed fault threshold speed
System Board	1	4740	high	ON	YES	4740
	2	5160			YES	
	3	4260			YES	
	4	8520			YES	
	5	9540			no	
	6	480			no	
Canister A	1	4740	high	ON	no	4740
	2	5160			no	
Canister B	1	4740	high	ON	no	4740
	2	5160			no	
Canister C	1	4740	high	ON	no	4740
	2	5160			no	
Canister D	1	4740	high	ON	no	4740
	2	5160			no	

Refresh Help

994

960

Figure 18

26T00T*EEE24680

Maestro Recovery Manager - Canister A

Server View Help

NF9000

- System Status
- Power Supplies
- Temperatures
- Fans
 - System Board
 - Canister A
 - Canister B
 - Canister C
 - Canister D
- Processors
- I/O Canisters
- Serial Numbers
- Revisions
- Flight Recorder
- Server

1008 Canister Present



Fan 1

Speed	4740
Fault?	no



Fan 2

Speed	5160
Fault?	no

Low speed fault threshold speed

4740

Speed Control

☒ Low ☐ High

Fault Indicator LED? ON

1004 1010 1006

Refresh

Update

Help

1002

1012 1024

Figure 19